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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,313	05/09/2005	Joseph B Kejha	1411P	9799
Zachary T Wobensmith III 7746 101st Court Vero Beach, FL 32967-2871		EXAMINER		
			WEINER, LAURA S	
			ART UNIT	PAPER NUMBER
			1745	
	•		MAIL DATE	DELIVERY MODE
		·	08/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/534,313	KEJHA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Laura S. Weiner	1745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
• •	/ IO OET TO EVOIDE • MONTH!	0) 05 THETY (00) 5 AV				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status		•				
1) Responsive to communication(s) filed on 09 M	av 2005	•				
	action is non-final.					
· <u> </u>						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
		•				
4) Claim(s) 1-12 is/are pending in the application.						
4a) Of the above claim(s) <u>7,8,11 and 12</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-6</u> is/are rejected.						
7)⊠ Claim(s) <u>9 and 10</u> is/are objected to. 8)□ Claim(s) are subject to restriction and/or election requirement.						
	olocion roquiroment.					
Application Papers						
9) The specification is objected to by the Examine						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)		•				
) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application						
Paper No(s)/Mail Date	• • • • • • • • • • • • • • • • • • • •					

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-6, 9-10, drawn to a cathode composition comprising a lithiated cathode and a lithium compound additive.

Group II, claim(s) 7-8, 11-12, drawn to a cathode composition comprising a metal compound additive.

- 2. The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Groups 1-11 are totally two different inventions. They lack the same or corresponding special technical features.
- 3. During a telephone conversation with Mr. Zachary Wobensmith on 7-20, 2007, a provisional election was made without traverse to prosecute the invention of Group I, claims 1-6, 9-10. Affirmation of this election must be made by applicant in replying to this Office action. Claims 7-8, 11-12 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Objections

5. Claims 9-10 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend on another multiple dependent claim such as claims 3 and 5. See MPEP § 608.01(n). Accordingly, the claims 9-10 have not been further treated on the merits.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 7. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Xue (5,928,812).

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Xue teaches in column 8, a cathode comprising 64.7 wt% of LiMn2O4, 2.0% Li2CO3, 12.2 wt% PVDF-HFP, 5 wt% carbon black and 16.1 wt% plasticizer.

8. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Endo et al. (6,022,641).

Endo et al. teaches in column 2, incorporating a specific amount of an alkali metal carbonate 0.5-20% by weight into the cathode comprising manganese oxide or lithium-manganese complex oxide is known. Endo et al. teaches in columns 7-8, Examples 1-4, a cathode comprising lithium-manganese composite oxide, Li2CO3, a conductive graphite material, a binder of polyvinylidene fluoride and dimethylformamide.

9. Claims 1-3, 5-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Zhang (US 2002/0119375).

Zhang teaches on page 3, Example I, a cathode comprising LiCoO2 treated with 0.1 wt% and 0.15 wt% LiBO2.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Laura S Weiner Primary Examiner Art Unit 1745

July 24, 2007